

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10634-002001	Application No. 09/560,236
	Applicant Shutsung Liao et al.		
	Filing Date April 28, 2000	Group Art Unit 1616	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,508,453	04/16/1996	Arosio et al.	552	553	
	AB						
	AC						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AD							
	AE							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AF	Runong Wang et al., "Chemical Product Manual", the third version, Pharmaceuticals, Chemical Industry Publishing House, pp. 740 (January 1999)
	AG	
	AH	
	AI	

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	AA	5,424,463	6/13/1995	Lardy et al.	552	637	
	AB	4,304,726	12/8/1981	Arakawa et al.	260	397.2	
	AC	4,193,930	3/18/1980	Chorvat	260	397.2	
	AD	4,125,544	11/14/1978	Dygos	260	397.4	
	AE						
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	AI						
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	AK						

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	AM							
	AN							
	AO							
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	AA	2,698,853	1/1955	Wildi	260	397.2	
	AB	5,562,910	10/1996	Daynes et al.	424	278.1	
	AC	6,369,247	9/2002	Miller et al.	552	542	
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	AE						

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AF	123:286388	3/29/1995	China (Abstract Only)				
	AG							
	AH							

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Examiner Initial	Desig. ID	Document
	AI	Bleau et al. "Cholesterol sulfate. I. Occurrence and possible biological function as an amphipathic lipid in the membrane of the human erythrocyte." <u>Biochimica et Biophysica Acta</u> , Vol. 352(1), pp. 1-9, (1974)
	AJ	Dusza et al., "A Fusion Method for Preparation of Steroid Sulfates," <u>Steroids</u> p. 317-323 (1985).
	AK	Dusza et al., "The Preparation of Estradiol-17 β Sulfates with Triethylamine-Sulfur Trioxide," <u>Steroids</u> p. 303-315 (1985).
	AL	Charles Freudenreich, et al., "Design of Inhibitors from the Three-Dimensional Structure of Alcohol Dehydrogenase, Chemical Synthesis and Enzymatic Properties", <u>J. Am. Chem. Soc.</u> , pp. 3344-3353, (1984)
	AM	Bethany A. Janowski, et al., "Structural requirements of ligands for the oxysterol liver X receptors LXRA and LXRb", <u>Proc. Natl. Acad. Sci., USA</u> , Vol. 96, pp. 266-271, (January 1999)
	AN	Kornel et al., "Studies on Steroid Conjugates: II Chemical Synthesis and Characterization of Sodium Cortisol-21-Sulfate and Sodium Tetrahydrocortisol-3, 21-Disulfate," <u>Steroids</u> , p. 67-75 (1964).
	AO	Nambara et al., "Preparation of Specific Antiserum to Estriol 3-Sulfate 16-Glucuronide," <u>Journal of Steroid Biochemistry</u> , 21: p. 199-203 (1984).
	AP	Tanaka et al., "Specific Antisera for the Radioimmunoassay of Estradiol-3-Sulfate," <u>Journal of Steroid Biochemistry</u> , 22: p. 285-288 (1985).
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Barbara P. Badio, Ph.D.Art Unit
1616

Page 1 of 1

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	A	US-4,917,898	04-1990	Angelico et al.	424/452
	B	US-5,362,891	11-1994	Bonaldi et al.	552/554
	C	US-			
	D	US-			
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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							Yes	No
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	AH	Mohammed N. Iqbal, et al., "Bile Acids. LXXXI. Synthesis and structural assignment of E/Z isomers of substituted methyl hydroxy-5 β -cholest-24-en-26-oates", <u>Steroids</u> , Vol. 56, pp. 505-512 (October, 1991)
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	AJ	A. Kuritzkes, et al., "3-epi-Uzarigenin und 3-epi-17 α -Uzarigenin", <u>Helvetica Chimica Acta</u> , Vol. 62, pp. 1502-1515 (1959)
	AK	Dieter Leibfritz, et al., "Nuclear Magnetic Resonance Spectroscopy. Carbon-13 Spectra of Cholic Acids and Hydrocarbons Included in Sodium Desoxycholate Solutions", <u>Journal of American Chemical Society</u> , Vol. 95, No. 14, pp. 4996-5003 (July 11, 1973)
	AL	S.H. Mujtaba Naqvi, "Chemical Synthesis and Mass Spectrometric Characterization of Some C-27 Steroids", <u>Steroids</u> , Vol. 22, pp. 285-290 (1973)
	AM	J. Polonia, et al., "Die Konstitution des Xysmalogenins", <u>Helvetica Chimica Acta</u> , Vol. 42, pp. 1437-1447 (1959)
	AN	C Tamm, et al., "Umwandlung von Cardenoliden durch Mikroorganismen. III. Umsetzung von Aglykonen und Glykosiden mit <i>Fusarium lini</i> ", <u>Helvetica Chimica Acta</u> , Vol. 42, pp. 239-259 (1959)
	AO	R. Tschesche, et al., "Über pflanzliche Herzgifte, XIX. Mitteil., Die Glykoside der Uzara-Wurzel", <u>Chemische Berichte</u> , Vol. 85, pp. 1042-1053 (1952)
	AP	Stephen A. Ziller, Jr., et al., "Bile Acids. XXV. Allochenodeoxycholic Acid, A Metabolite of 5 α -Cholestan-3 β -OL in the Hyperthyroid Rat", <u>The Journal of Biological Chemistry</u> , Vol. 243, pp. 5280-5288 (1968)

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Examiner

Barbara P Badio, Ph.D.

Art Unit

1616

Page 1 of 1

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	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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	O					
	P					
	Q					
	R					
	S					
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Liao et al.

Application/Control No.

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Examiner

Barbara Badio

Art Unit

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Page 1 of 1

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B	6,060,465	5/2000	Miljkovic et al.	514	169
C					
D					
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N	JP4169597	6/1992	JP	Noriyuki et al.	-	-
O	WO 94/02503	2/1994	WO	Contos	-	-
P						
Q						
R						
S						
T						

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U	Fini et al., J. Pharm. Sci., vol. 79(7), pages 603-605, 1990.
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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
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	AB	5,466,815	11/14/95	Enhnen et al.	548	252	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC							

Other Documents (include Author, Title, Date, and Place of Publication)		
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	AE	Coleman et al., "Synthesis and Characterization of Novel Analogs of Conjugated Bile Acids Containing Reversed Amide Bonds", Journal of Lipid Research 36:901-910, 1995.
	AF	Janowski et al., "Structural Requirements of Ligands for the Oxysterol Liver X Receptors LXR α and LXR β ", Proc. Natl. Acad. Sci. 96:266-271, 1999.
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	AM	Song et al., "Ubiquitous Receptor: Structures, Immunocytochemical Localization, and Modulation of Gene Activation by Receptors for Retinoic Acids and Thyroid Hormones", Annals of the New York Academy of Sciences 761:38-49, 1995.
	AN	Sweeny et al., "Metabolism of 5-fluorouracil to an N-cholyl-2-fluoro- β -alanine conjugate: Previously Unrecognized Role for Bile Acids in Drug Conjugation", Proc. Natl. Acad. Sci. 84:5439-5443, 1987.

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